

CLAIMS

1. An acoustic device having a soundboard comprising expanded polycarbonate.

~~sub. 1/25~~
2. An acoustic device according to claim 1, said soundboard comprising an expanded polycarbonate sheet.

~~sub. 1/26~~
3. An acoustic device according to either one of the preceding claims, said soundboard having a cellular rigid foam structure.

~~4.~~
4. An acoustic device according to any one of the preceding claims, said soundboard having a density of 500-700 kg/m³.

~~sub. 1/27~~
5. An acoustic device according to claim 4, said soundboard having a density of 650 kg/m³.

~~sub. 1/28~~
6. An acoustic device according to any one of the preceding claims, said soundboard having a tensile strength of about 20 MPa.

~~7.~~
7. An acoustic device according to any one of the preceding claims, said soundboard having a flexural strength of about 30 N/mm².

~~sub. 1/29~~
8. An acoustic device according to claim 1, said soundboard comprising FOREX-EPC E 50.650.

~~sub. 1/30~~
9. An acoustic device according to any one of the preceding claims, comprising a musical instrument.

~~10.~~ An acoustic device according to claim 9, comprising a stringed musical instrument.

~~11.~~ An acoustic device according to claim 10, comprising a stringed musical instrument selected from the group comprising guitar, violin, mandolin, base, lute, dulcimer, harp and piano.